

Pioneer *sound.vision.soul*

DVD

Create
Home DVDs

DVD

Produce
Video Presentations

DVD

Back Up
Data

DVD

Record
Music

DVD

Distribute
Video Letters



DVR-A07XL DVD Writer

With QuietDrive and Precision Recording Technology



8X DVD-R / +R • 4X DVD-RW / +RW • 24X CD-R / RW



DVD • ReWritable



DVR-A07XL DVD Writer

Selecting the ideal DVD writer is easier than you think. You demand the fastest speed. You require the highest level of compatibility. And you expect a competitive price. Look no further than Pioneer's DVR-A07XL which provides all three. Along with an array of advanced features that improves writing performance the drive writes at 8x speed on both DVD-R and +R discs. Bundled software enables you to format, finalise and archive your multimedia and data in super quick time. So you'll have more time to premiere your home movies wherever you choose; whether on a PC or via a DVD in the comfort of your - or anyone else's - living room. The DVR-A07XL is your ideal companion to create, showcase and share your DVDs.

Digital Convergence

Pioneer, as a leader in the development of digital storage solutions, provides consumers with fast, easy-to-use and highly compatible DVD writing products. Products that bridge IT and consumer electronics environments. Create DVDs in your PC. Play these back on other computers and in consumer devices like DVD players and recorders.

Superior Compatibility and Performance

Pioneer enjoys industry wide recognition for the reliability of its DVD products. The DVR-A07XL offers high speeds and class-leading playback compatibility complemented by Precision Recording Technology that improves the accuracy of DVD writing.

Precision Recording Technology

Precision Recording Technology addresses the key areas that influence the quality of DVD writing. It comprises:

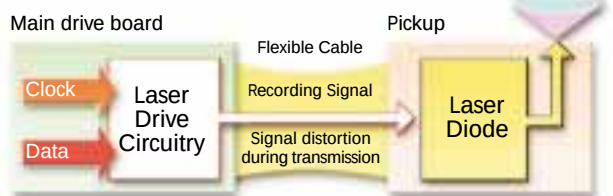
Distributed Real Time Defect Management (DRT-DM)*

The DVR-A07XL uses DRT-DM which supports recording under optimum conditions to ensure precision writing to DVD discs – even those that have been written to many times. The feature also helps reduce the degradation in disc quality that can occur over time.

Smart Laser Driver

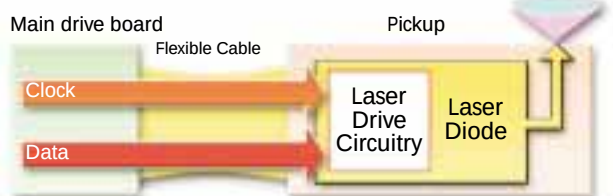
The circuitry that controls the writing of DVDs is traditionally positioned on the drive's main circuit board. In the DVR-A07XL this has been moved to the laser pick up assembly. The feature prevents any signal distortion between the main board and the laser driver to improve writing accuracy.

Conventional laser driver has write circuitry on main board



Distorted signal is converted laser emission

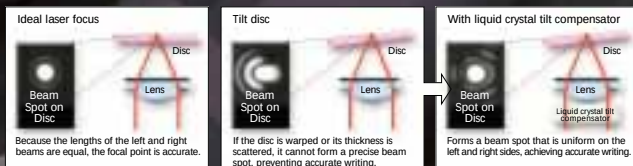
Smart laser driver has write circuitry on laser driver IC



Distorted signal is converted laser emission

Liquid Crystal Tilt Technology

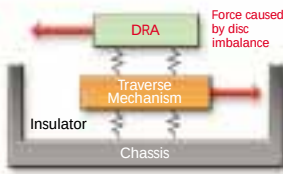
A Liquid Crystal Tilt device helps to ensure precise writing onto the surface of discs by automatically compensating for media that have become warped or are of uneven thickness.



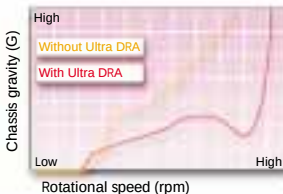
Ultra DRA (Dynamic Resonance Absorber)

DRA absorbs vibrations caused by imbalanced discs to stabilise them for enhanced quality of writing and read performance even at higher speed.

Opposite direction of traverse mechanism



Effects of ultra DRA



QuietDrive

75% reduction in operational noise

It is to be expected that the company behind the DVD-R/RW format will continue to lead the development of DVD technology. Pioneer does not disappoint with the new QuietDrive. Consumer research indicates that operational noise from many high speed DVD writers is becoming increasingly noticeable. The sound is created by vibrations caused as the DVD's rotation speed accelerates to support faster reading / writing. Showcased for the first time in the DVR-A07XL, QuietDrive reduces ambient noise. It works by incorporating a honeycomb structure on the drive's casing that dissipates vibrations. Sound proofing pads inside the housing also soak up excess noise.

Performance Adjusting Firmware

Performance Adjusting Firmware intelligently reduces the rotation of the disc depending on the application. During DVD Video and Audio CD playback when ambient noise must be kept to a minimum the firmware adjusts the speed accordingly. Without the need for a fan, QuietDrive and Performance Adjusting Firmware reduce ambient noise by 75% over previous Pioneer models.

*requires software application support.

Software Included:

Pinnacle InstantCD/DVD v8

Whether a novice or video professional this package provides end-to-end production of any DVD writing project. From capture to disc. Write, clean and burn MP3 files onto play-anywhere audio CDs. Sample audio and arrange 16-track stereo music. Capture, edit and share digital photos and home movies on CDs or DVDs. View your movies on practically any home DVD player. Copy DVDs and CDs. Back up data to any removable storage medium including recordable CDs and DVDs.

Pinnacle InstantCopy v8

Create perfect copies of DVDs and CDs quickly. Direct-to-disc technology saves time by converting and burning simultaneously while providing the utmost quality. It makes true 1:1 copies of (non-copy protected) DVDs that contain all DVD content, including menus, languages, subtitles and bonus material.

Pinnacle Instant VideoAlbum

Transfer home videos you have taped onto DVD discs. The software guides you through copying video into your computer and enables you to enhance the content by shortening scenes, lightening dark video and stabilising shaky shots before writing to disc. Catalogue your library by customising discs with menus and print your own covers to make viewing and sorting much easier.

Pinnacle Instant PhotoAlbum

Turn digital photos and video clips into interactive slide shows. Add menus and music. Import pictures and clips from a camera or hard drive and create albums. Clean up photos and remove red-eye. Personalise the slide show with ready-to-use styles, special effects and transitions. Polish the project by including background images, menu audio effects and motion menus. Store the show on CD or DVD, produce matching labels. Watch your creation on the TV or PC.



A specialist in product design for consumer electronics, Pioneer offers the attractive and stylish DVR-A07XL in beige and black colour options.

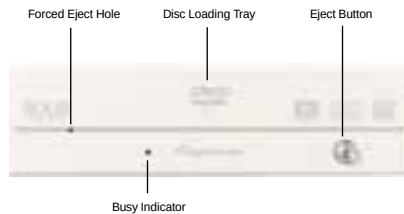
DVD Forum Approved

DVD-R/RW are approved formats of the DVD Forum, consisting of over 200 members.

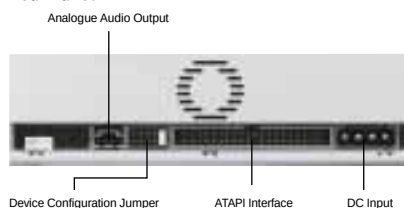
The DVR-A07XL writes/reads both DVD-R/RW and +R/RW formats. These can be played on most DVD video players and DVD-ROM drives. The drive also supports reading/writing of CD-R and CD-RW.

DVR-A07XL Appearance

Front Panel



Rear Panel



Safety Precaution

Carefully read the instruction manual to ensure the safe operation of the product.

Bundle includes:

High Speed DVD Media. Pinnacle Instant CD/DVD v8SE.



DVR-A07XL General Specifications

Supported Media:	Write:	DVD-R 4.7GB*1, DVD-RW 4.7GB, +R 4.7GB, +RW 4.7GB CD-R 700MB (Type 80), CD-R 650MB (Type 74), CD-RW, High Speed CD-RW, Ultraspeed CD-RW *1 DVD-R Version 2.0 for General disc only
	Read:	DVD-ROM & DVD-Video (Single & Dual Layer) DVD-R, DVD-RW, +R, +RW, DVD-RAM*2 CD-ROM Mode 1, CD-ROM XA Mode 2 (Form1, Form2) CD-DA CD-EXTRA (CD Plus), Video CD, Photo-CD (Single or Multi-session) CD-Text, CD-R, CD-RW *2 Non-cartridge DVD-RAM Version 2.0-2.1 only
Write Speed:	DVD-R, +R:	Max 8X Z-CLV (11.08Mbytes/sec)
	DVD-RW, +RW:	Max 4X (5.54Mbytes/sec)
	CD-R:	Max 24X Z-CLV (3.6Mbytes/sec)
	CD-RW:	Max 24X Z-CLV (Ultra-Speed CD-RW media, 3.6Mbytes/sec)
Read Speed:	DVD-ROM (Single):	Max 12X CAV
	DVD-ROM (Dual):	Max 8X CAV
	DVD-R, DVD-RW:	Max 8X CAV
	+R, +RW:	Max 8X CAV
	DVD-RAM*3:	Max 2X CLV
	DVD-Video:	Max 5.5X CAV
	CD-ROM:	Max 40X CAV (Mode1)
	CD-R:	Max 40X CAV
	CD-RW:	Max 32X CAV
	CD-DA (DAE):	Max 40X CAV
	CD Audio:	Max 9.3X CAV *3 Non-cartridge DVD-RAM Version 2.0-2.1 only
Access Time (Random Average)	DVD-ROM:	140msec
	CD-ROM:	130msec
Seek Time (Random Average)	DVD-ROM:	130msec
	CD-ROM:	120msec
Data Buffer:		2 MB - Buffer Under Run Supported
Interface:		ATAPI (PIO Mode4/Multi Word DMA Mode2), Ultra DMA 33 (Ultra DMA Mode2)
Audio Interface:		Analog out
Mounting Orientation:		Horizontal and Vertical
Power Requirements:		DC +12V, 0.8A; DC +5V, 1.1A (average during writing process)
Dimensions:		148mm (W) x 42.3mm (H) x 198mm (D)
Weight:		1.1kg
Operating Temperature:		+5°C to +45°C (41°F to 113°F)
Operating Humidity:		5% to 85% (no condensation)
NOTE: Specifications and design subject to possible modifications without notice, due to improvements.		

8x certified media required for 8x DVD-R/ +R writing
4x certified media required for 4x DVD-RW/ +RW writing
DVD-RAM writing is not supported

RWPPi

The RWPPi (RW Products Promotion Initiative) is an organisation of 59 companies* whose goal is to promote DVD-R/RW products, i.e. products developed on the basis of DVD-R/RW standards governing recording and playback of DVD. RWPPi home page: <http://www.rwppi.com> *As of February 2004



- The DVD Forum in 2000 approved the use of the DVD-Video format for recording on DVD-R/DVD-RW discs. On Pioneer's DVD Recorders this is referred to as recording in 'Video Mode'. Supporting playback of DVD-R/DVD-RW discs with this type of content is optional for manufacturers of DVD playback devices, and there are DVD-Video players, DVD-ROM drive equipped PCs, or other DVD playback devices that do not play DVD-R or DVD-RW discs recorded in Video Mode.
- Abide by the relevant copyright laws when using this product.
- Photo CD is a registered trademark of Eastman Kodak Company.
- To record MPEG videos, a video capture card and hardware or software MPEG encoder device are required.
- To playback DVD-Video, a DVD-compliant MPEG2 hardware or software decoder is required.
- Product design and specifications are subject to change without notice.
- Due to printing limitations the product photos in this catalogue may look different from that of the real product.
- Pioneer assumes no liability for any loss of data when this product is being used.

Firmware is constantly being updated to accommodate the proliferation of next generation high speed media available on the market.

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